

eRA Organizational Layers & Delegation

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The Need

- ◆ eRA has requirements to define organizational structures for,
 - Supervisory oversight
 - Security
 - Delegation of authority
 - Directing of workflow activities
 - ◆ Supervisory approvals, etc.
 - Maintaining hierarchies independent from an orgs existing structure (OPDIV org. hierarchies aren't uniform)
 - Etc.

Examples

- ◆ Program Module: Branch/Division Directors wish to view portfolios of all POs reporting to him/her
- ◆ Review Module: users in SRGs need boundaries to prevent Review staff from other IRGs from updating and viewing sensitive review data
- ◆ eRA Commons: creating hierarchies - Schools, Divisions, Departments, etc. - for an external institution

Existing Solutions

◆ eRA Commons: Org. Hierarchy

■ Issues:

- ◆ Limited layers (not flexible)
- ◆ Hardwired names (School AKA Major Component, Division, Department, etc.)

◆ Review: Clusters

■ Issues:

- ◆ Limited to Review business area (not flexible for expansion)
- ◆ Issues deleting users from a cluster
- ◆ Clusters aren't hierarchical; a cluster can't be a subset of another cluster

Basic Design Goals

- ◆ eRA needs a solution that,
 - Is universal to all of eRA
 - Meets the needs of all eRA business areas
 - Is flexible for all organizations (ICs, OPDIVs, external institutions)
 - Addresses security and delegation
 - Accommodates workflow activities
 - Is independent of an organizations existing structure
 - Is customizable by each organization
 - Is easy to maintain (e.g., nesting of org.layers)

Proposal

- ◆ Introducing: Organizational Layers and Delegation
- ◆ Similar concept to Clusters in Review
 - Much more flexible and universal
- ◆ Initial use by the Program Module in the Fall 2003 release
- ◆ Potentially migrate existing Review and eRA Commons solutions?

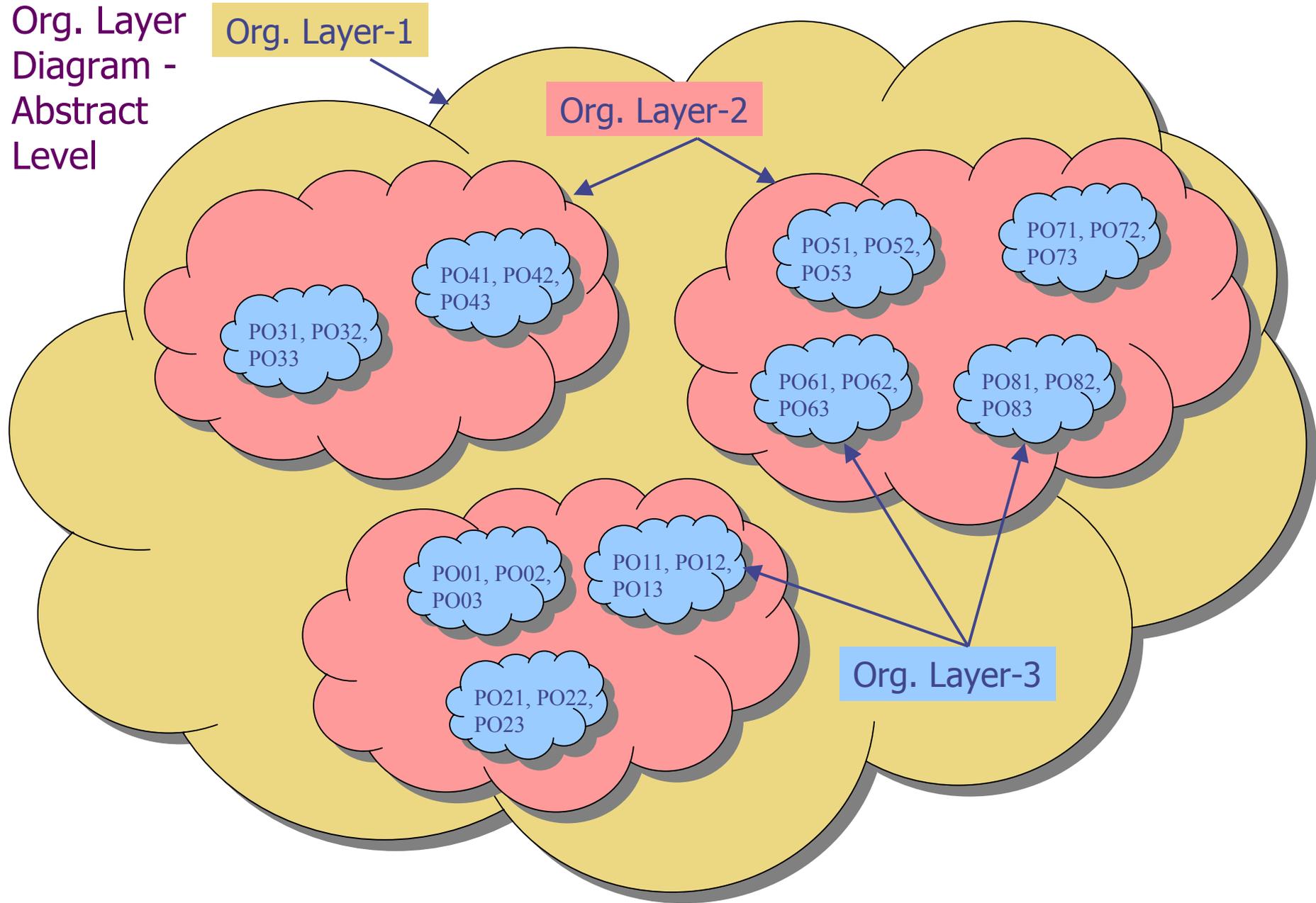
What Is It - Organizational Layers Defined

- ◆ An Organizational Layer consists of:
 - A grouping of users
 - One or more nested organizational layers
- ◆ Users in an Organizational Layer have pre-defined privileges on peer objects (grants, etc.)
- ◆ A user could be assigned to more than one Organizational Layer
 - Pre-defined authority on objects in both Org. Layers

What Is It - Organizational Layers Defined (2)

- ◆ Org. Layer may have unlimited layers
 - ICs/OPDIVs/Institutions will likely use 4 to 6 layers
- ◆ Org. Layer names are created by each IC/OPDIV/External Institution
- ◆ Not mandatory

Org. Layer
Diagram -
Abstract
Level

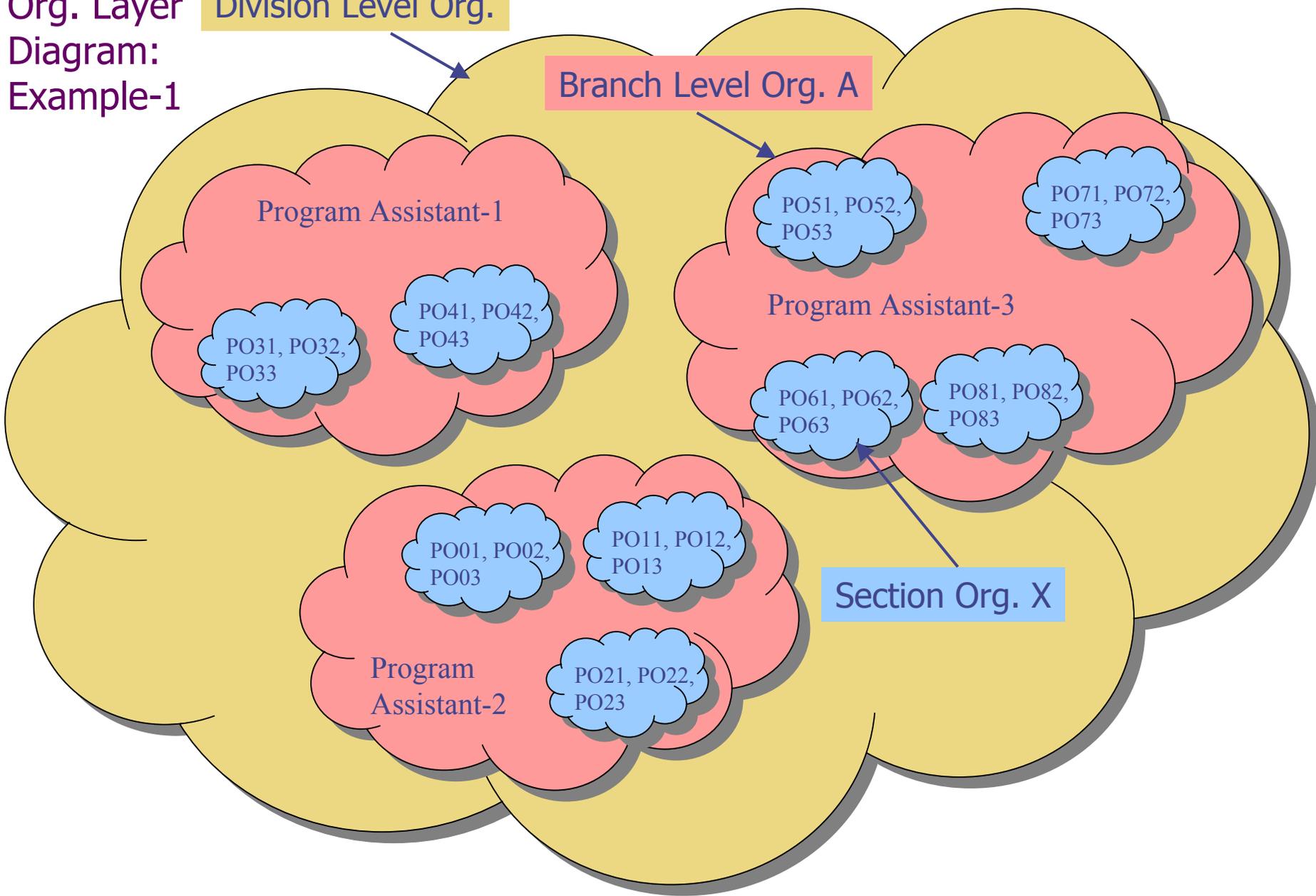
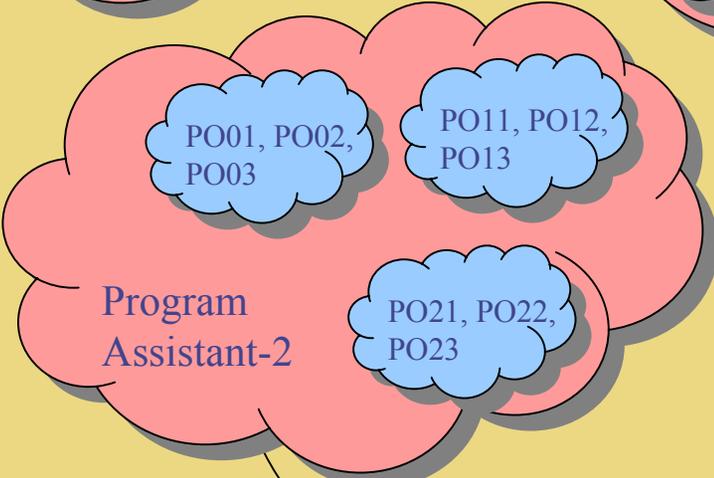
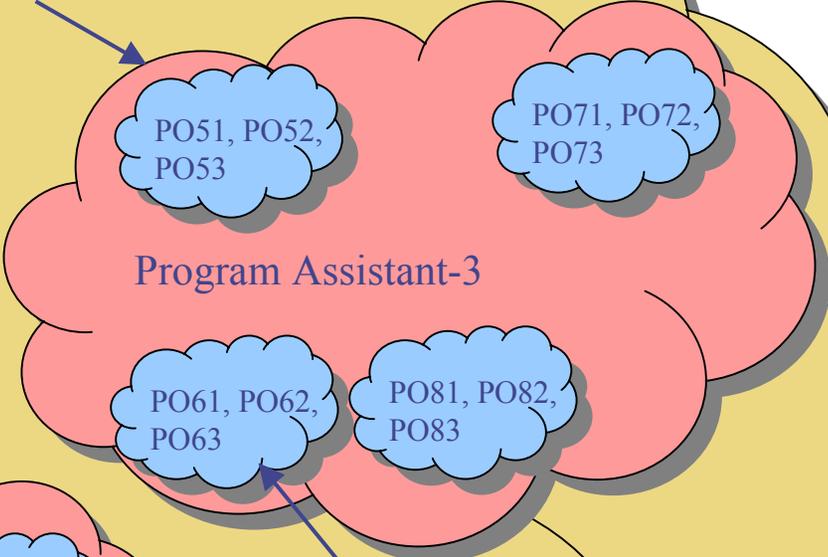


Org. Layer Diagram:
Example-1

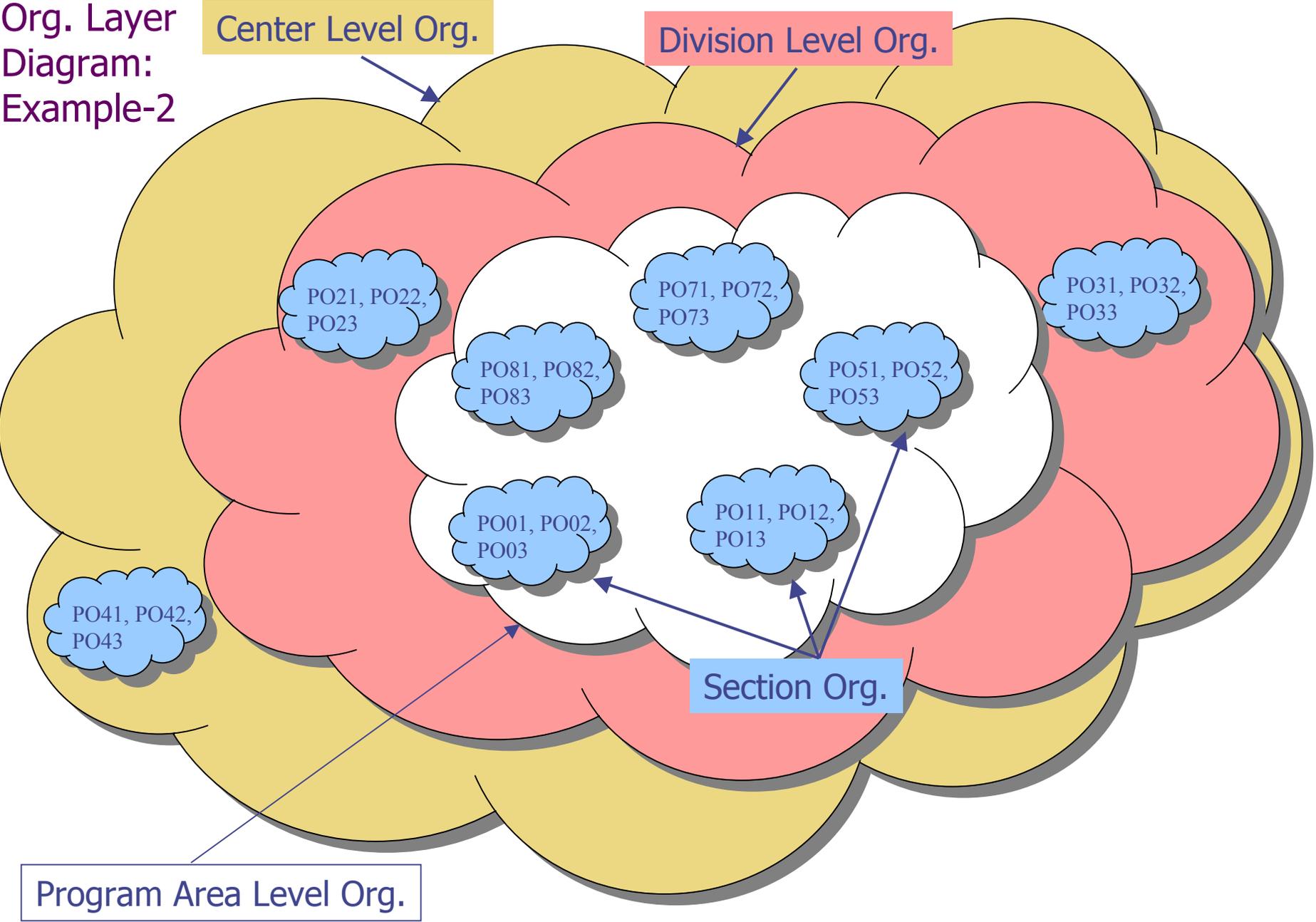
Division Level Org.

Branch Level Org. A

Section Org. X



Org. Layer Diagram:
Example-2



Organizational Layers: End-User Perspective

- ◆ Mostly transparent to the end-user
 - End-user will only see the result
- ◆ E.g.
 - Due the Org. Layers, SRA's will see objects the layer provides access to, such as appropriate grants, in Review

Organizational Layers: Administrative Perspective

- ◆ An administrator manages the creation & maintenance of Org. Layers
- ◆ Access to managing the layers provided via the eRA IC Admin module
 - New J2EE module that will include other administrative functions in the future, such as
 - ◆ Administering of PCCs
 - ◆ Administering Customizable Checklist items



Checklist Admin Foreign Involvement Help

Checklist Admin ?

Query Checklist

Checklist IC: Full Org. Name: National Cancer Institute Checklist Business Area: Group Type: Activity Codes:

Checklist Admin

Sequence No.: Item Type: Active: Required:

Display Items for: Type Group

Activity Codes: (Check all that apply)

ALL F32 K08 R01 R21 P01 X01 X01

X01 X01 X01 X01 X01 X01 X01 X01

X01 X01 X01 X01 X01 X01 X01 X01

Checklist Item Text:

Checklist Items

Sequence No.	Checklist Item	Type	Active	Required	Updated	Updated by	Action
10	Is scope OK?	Q	Y	Y	02/15/2003	John Smith	Edit Delete
15	Is PI foreign?	Q	Y	Y	02/15/2003	John Smith	Edit Delete
20	Competing	H	N	N	02/15/2003	John Smith	Edit Delete
25	Text text text text?	Q	Y	Y	02/15/2003	John Smith	Edit Delete

Help text for Re-sequence. Help text for Re-sequence. Help text for Re-sequence. Help text for Re-sequence.

Selected Org.
Layer name &
description

NATIONAL INSTITUTES OF HEALTH
Page Title TBD

Welcome User_Name
Institution: OD
Authority: PIFSR SO [Log-out](#)

item 1 item 2 item 3 item 4 Help
subitem 1 subitem 2 subitem 3 subitem 4
SUBsubitem 1 SUBsubitem 2 SUBsubitem 3 SUBsubitem 4

Clusters

- ROOT
- Maryland
 - Montgomery County
 - Bethesda
 - Rockville Pike
 - Rockledge Drive
 - Cluster Name - 16
 - Cluster Name - 17**
 - Cluster Name - 18
 - Cluster Name - 15
 - Rockville
 - Prince George County
 - Garrett County
 - Cluster Name - 6
- Virginia
 - Cluster Name - 9
 - Cluster Name - 10
 - Cluster Name - 11
 - myname-50
 - myname-10
 - myname-12
 - myname-13
 - Cluster Name - 12
 - Cluster Name - 8
- New Jersey

Cluster Name Cluster Description
Cluster Name - 17

Save Save as Sub Cluster

Last Name First Name Middle Name
caban carlos

Person Role IC/Institution
GMO OD

Assign Person

Person List

Role	Last Name	First Name	Middle Name	IC	Action
PO	ratna	chanath		CA	Delete

Add new user

Existing users

Org. Layer Hierarchy

Organizational Layers– Pros and Cons

◆ Pros:

- ICs/OPDIVs/Institutions have complete flexibility in creating Org. Layers
- Do not have to conform to existing Org. structure

◆ Cons:

- IC/OPDIV/Institution Admin's have to create Org. Layers to take advantage of this feature
- IC/OPDIV/Institution Admin's have to maintain Org. Layers

Hierarchies

- ◆ A user in a supervisory Org. Layer has pre-defined privileges on objects (e.g. grants) of all Org. Layer users below him/her
 - E.g. in PGM: all Pending SRG grants of all POs in underling Org. Layers available to Branch/Division Director

Delegation/Security - Defined

- ◆ Delegation authority/security is granted by default, by virtue of belonging to a Org. Layer
 - All users in an Org. Layer have pre-defined authority on peer objects
 - No authority on objects outside Org. Layer
 - ◆ Transaction vs. read/review authority
 - No capability for an end-user to delegate authority
 - ◆ Need Administrative privileges to perform delegation
 - Since Org. Layers are managed by an administrator, delegations are performed by an administrator

Additional Needs/Concerns

- ◆ J2EE IC Admin module at present has no Group Advocate or Lead Analyst
- ◆ IC Admin is an internal eRA module. Need to make Org.Layer maintenance available in eRA Commons
- ◆ Ownership: Who creates/maintains the Layers?
 - Within ICs: IMPAC-II Coordinators, IMPAC-II Tech Reps, others?
 - Within OPDIV/External Institutions?
 - Need a decision on this issue

Additional Needs/Concerns - cont.

- ◆ Could users be assigned across organizations?
 - E.g. could a user from NCI be assigned to a NIGMS Org. Layer?
- ◆ Additional requirements & analysis on limiting authority
- ◆ A decision on migrating existing Review and eRA Commons solutions
 - Delegation performed differently in eRA Commons (e.g. PPF Delegation)
- ◆ Will it be used extensively?

Conclusion

- ◆ A viable solution that will be introduced in the Program Module
- ◆ Need buy-in from Advocates as a potential eRA global solution
 - What, if any, changes/enhancements need to be made?